



FEATURES & SPECIFICATIONS

INTENDED USE

2RT5 Center Air Slots (CAS) is designed for effective air removal from a space. The CAS is extremely energy efficient and delivers the comfortable volumetric light that you have come to expect from the standard RT5 offering. Ideal for offices, schools or any commercial application that requires volumetric lighting and air removal.

OPTICAL SYSTEM

Delivers volumetric lighting by filling the entire volume of space with light, delivering the ideal amount to walls, cubicles, work surfaces and people.

Luminous characteristics are carefully managed at high angles to deliver just enough intensity to deliver the volumetric effect.

Regressed, two-piece refractive system obscures and softens the lamp and smoothly washes the reflector with light.

Linear faceted reflector softens and distributes light into the space and minimizes the luminance ratio between the fixture and the ceiling.

Mechanical cut-off across the reflector and fresnel refracton along the refractor provide high angle shielding and a quiet ceiling.

Sloped endplates provide a balanced fixture to ceiling ratio while enhancing the perception of fixture depth.

CONSTRUCTION

Impact modified acrylic prismatic refractor with polymer light-diffusing film.

Rugged, one-piece, cold-rolled steel reflector with embossed facets. Polyester powder paint after fabrication.

Center of reflector slotted on both sides with 1/8" x 1" slots, 7/16" on center, to allow for air removal.

Rigid structure with ballast box and endplates with integral T-bar clips. Fixtures may be mounted end-to-end.

ELECTRICAL SYSTEM

Highly efficient program-start electronic ballasts, Class P, thermally protected, resetting, HPF, non-PCB, UL Listed, CSA Certified, sound rated A. Premium T5 lamp with enhanced phosphors and 85 CRI. Ballast/lamp efficacy up to 100+ LPW. Lamp is TCLP compliant.

F14T5 uses GEB115, producing 1.22 ballast factor standard for typical applications. F24T5HO is available for higher ceiling applications.

Step-dimming option allows system to be switched to 50% power for compliance with common energy codes while maintaining fixture appearance.

S5 option available for use with SIMPLY5™ Lighting Intelligence system with multi-level dimming. See SYNERGY® Control Systems specification sheets for more information.

MAINTENANCE

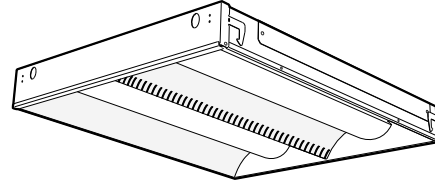
Side mounted ballast tray accessed by removing adjacent ceiling tile. Ballast tray may be removed from fixture during service.

Lamps accessed by squeezing refractor to release from retention tabs.

Catalog Number	
Notes	Type



2RT5 CAS



Air Return 2'x 2'
2 Lamps
T5
Center Air Slots

SIMPLY5™
LIGHTING INTELLIGENCE

Specifications

Length:	24 (610)
Width:	24 (610)
Depth:	3-1/8 (79)



All dimensions are inches (millimeters) unless otherwise specified.

LISTING

UL Listed (standard). Optional: Canada CSA or cUL. Mexico NOM.

WARRANTY

Fixture guaranteed for one year against mechanical defects in manufacture. Lamp and ballast system warranty (24 months for lamp, 60 months for ballast) by lamp and ballast manufacturer.

Protected by one or more of US Patents Nos. 7,229,192; D541,467; D541,468; D544,633; D544,634; D544,992; D544,933 and additional patent pending.

Specifications subject to change without notice.

ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: 2RT5 CAS 14T5 MVOLT GEB115 LPM835

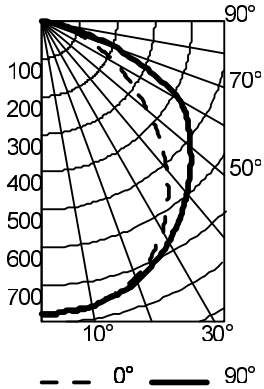
2RT5	CAS					
Series	Lamp type	Voltage	Ballast	Lamp ⁵	Options	
2RT5 Recessed T5	14T5 14W T5 (22") 24T5HO 24W T5 (22") ¹	MVOLT² 347 ³	GEB115 1.15 ballast factor GEB115S 1.15 ballast factor, step dimming GEB10PS 1.0 ballast factor, program start S5 0.95 ballast factor SIMPLY5 system ⁴	LP835 3500°K lamp LP830 3000°K lamp LP841 4100°K lamp	GLR Internal fast-blow fuse ⁶ PWS1836 6' prewire, 3/8" diameter, 18-gauge, 3-wire (n/a with GEB115S) ⁷ PWS1846 6' prewire, 3/8" diameter, 18-gauge, 4-wire ⁸ EL14 Emergency battery pack⁹ HW Hardwire for SIMPLY5 system; replaces RELOC [®] CSA Listed and labeled to comply with Canadian standards QFC_ Quick-flex cable ⁶ BDP Ballast disconnect plug (meets codes that require in-fixture disconnect)	CAS Center Air Slot

NOTES:

- For T5HO use GEB10PS only.
- MVOLT (120-277 volts), 50-60HZ.
- For 347V use GEB115S or GEB10PS ballast only.
- SIMPLY5 includes 13' S5 SSC RELOC® wiring system, specify voltage unless HW (hardwire) or PWS is ordered.
- Required. All fixtures shipped with lamps installed.
- Must specify voltage, 120 or 277.
- For use with standard ballast.
- For use with step dimming ballast.
- See PS1400QD spec sheet for EL lumen output information.

2RT5 CAS Volumetric Recessed Lighting 2' x 2' Air Return, Center Air Slots

2RT5 14T5 GEB115, (2) FP24/841 lamps, 1220 lumens per lamp, s/m 1.2 (along) 1.3 (across), test no. LTL14130



CP Summary			Coefficients of Utilization											
	0°	90°	pf	80%			20% 70%			50%				
			pc	70%	50%	30%	50%	30%	10%	50%	30%	10%		
			pw											
0°	776	776	0	103	103	103	101	101	101	96	96	96		
5°	778	770	1	95	91	87	89	86	83	85	83	80		
15°	749	751	2	86	79	74	78	73	68	75	70	66		
25°	688	707	3	79	70	63	68	62	57	66	60	56		
35°	583	638	4	72	62	54	61	54	48	59	53	48		
45°	443	557	5	66	55	48	54	47	42	53	46	41		
55°	293	473	6	61	50	42	49	42	37	47	41	36		
65°	167	319	7	57	45	38	44	37	32	43	37	32		
75°	73	114	8	53	41	34	41	34	29	40	33	29		
85°	11	9	9	49	38	31	37	31	26	36	30	26		
90°	0	0	10	46	35	28	34	28	24	34	28	23		

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fix
0° - 30°	603	24.7	28.
0° - 40°	983	40.3	46.
0° - 60°	1716	70.3	81.
0° - 90°	2113	86.6	100
90° - 180°	0	0.0	0.0
0° - 180°	2113	86.6	100

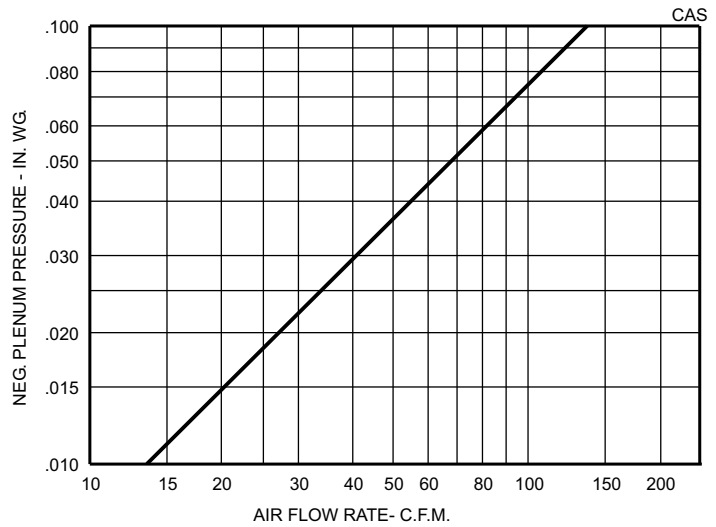
Efficiency: 86.6%

LER: 66.1 lpw

*The LER (Luminaire Efficacy Rating) is the lumens per watt rating for this fixture. It is used to compare the energy efficiency of various products. This photometric report is based upon IES testing procedures, as stated in LM-41-1998. The reported lumen rating is based upon lamp manufacturer's published lumen output for the cold spot temperature measured during lamp calibration.

Air Handling Information

Tested in accordance with ADC 1062RR.



Input Wattage

Wattage	Ballast	120V	277V
24T5HO	GEB10PS	55	54
14T5	GEB115S	39	39
14T5 (50% step dimming)	GEB115S	22	22

T5/T8 Energy Comparison

System	Lamp Type	Ballast Factor	Input Watts	Watts Saved Compared to T8
2-lamp T8	F32T8U	0.88	58	—
2RT5 2-lamp T5	F14T5	1.22	39	19



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